



## Tennessee Department of Transportation

### Administration Bureau

#### Position Opening:

#### Database Administrator-Intermediate

The Tennessee Department of Transportation's IT Division is accepting applications for **Database Administrator-Intermediate** for Data Support. This is a Preferred Service Position and reports directly to the TDOT IT Manager-Sr. – Data Support. The Database Administrator-Intermediate under general supervision; is responsible for implementing and revising database structures of considerable difficulty and is responsible for ensuring accuracy of data and that processes are followed.

#### Key tasks include:

- Implementation of TDOT databases at an enterprise level under guidance from senior DBA
- Provide expertise related to DB performance and scalability
- Database security and diagnostic maintenance; capacity planning & administration
- Database automation through OS level scripting and database level scripts or procedures
- Evaluation and utilization of software products to assist in the management of data
- Support reporting, query and analysis tools ensuring efficient database access
- Measurement of DB performance and tuning; diagnosis of problems
- Modification of database software configuration to optimize performance under guidance of senior DBA
- Maintenance of physical integrity of all production databases
- Regularly scheduled verification procedures and error correction
- Stay current with new database technology developments and techniques, research new software and tools, proactively recommend improvements
- Install, patch, maintain, and monitor Oracle databases under guidance from senior DBA
- Create, maintain, monitor, and verify backups and perform ad-hoc backups as needed
- Create or copy databases and application environments
- Promote changes through multiple test and production environments
- Create and maintain SQL and PL/SQL queries and shell scripts
- Assist developers in resolving coding, performance, and system issues including SQL tuning and optimization
- Grant, monitor, delete access to databases and applications based on security requests
- Work collaboratively with Database, Storage, and System Administrators



- Create and maintain documentation

**Desired skills:**

- Knowledge of Oracle and/or SQL enterprise databases, Oracle Application server, Oracle identity Management Suite, Oracle Spatial and Oracle Enterprise Management tools.

**Minimum Qualifications:**

**Education and Experience:** Graduation from an accredited college or university with a bachelor's degree and one year of professional level experience in the analysis, design, or programming of business information systems utilizing database management systems (e.g., IMS/DB, SQL Server, DB2, Oracle).

**Substitution of Experience for Education:** Professional level experience in the analysis, design, or programming of business information systems utilizing database management systems (e.g., IMS/DB, SQL Server, DB2 and Oracle) may substitute for the required bachelor's degree on a year-for-year basis to a maximum of four years.

**OR**

**Education and Experience:** Graduation from an accredited college or university with an associate's degree in business data processing, management information systems, computer and information systems, computer science, or other directly related field and one year of professional level experience in the analysis, design, or programming of business information systems utilizing database management systems (i.e., IMS/DB, SQL Server, DB2, Oracle).

**Substitution of Experience for the Specialized Associate's Degree:** Experience in data modeling, database design or performance monitoring and tuning of database management systems may substitute for the specialized associate's degree on a year-for-year basis to a maximum of two years.

**Substitution of Graduate Coursework for the Required Experience:** Any additional graduate coursework in data modeling, database design, or performance monitoring and tuning of database management systems may substitute for the required experience on a year-for-year basis to a maximum substitution of one year.

**OR**

One year of experience as an Information Systems Associate\* in training for Database Administrator with the State of Tennessee.

<http://agency.governmentjobs.com/tennessee/default.cfm>